

Date: Sun, 16 Jan 94 08:30:25 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V94 #43  
To: Info-Hams

Info-Hams Digest                      Sun, 16 Jan 94                      Volume 94 : Issue    43

Today's Topics:

cancer from ham radio (2 msgs)  
    Dipole Antenna  
    DIPOLES FED BY LADDER LINE  
    LA's now QRV on WARC SSB  
    Log Periodics and DXing  
    New QRZ Ham Radio CDROM  
    Repeater Interference  
    rsgb gb2rs news 16th january

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Fri, 14 Jan 94 14:11:43 GMT  
From: agate!howland.reston.ans.net!pipex!uknet!uos-ee!ee.surrey.ac.uk!  
M.Willis@ames.arpa  
Subject: cancer from ham radio  
To: info-hams@ucsd.edu

In article <kelvin.758473388@thed.usup.uk22.bull.co.uk>,  
kelvin@thed.usup.uk22.bull.co.uk (Kelvin J. Hill) writes:  
|> In <taaronCJK1MF.3xr@netcom.com> taaron@netcom.com (taaron@netcom.com) writes:  
|>  
|>  
|> >Tell me, if ham radio causes cancer, why is it that all the ham radio  
|> >club meetings are filled with old people with few health problems other  
|> >than normal ones for their age?  
|>

|> 'Cause all the young ones have already died? :- ) (I think)  
|>  
|> >Travis Wise  
|> >KB8FOU  
|> >18 yrs old  
|> >General class  
|>

Or maybe the older ones couldn't have any children.

Mike

-----

Date: Fri, 14 Jan 1994 14:39:07 GMT  
From: haven.umd.edu!news.umbc.edu!europa.eng.gtefsd.com!howland.reston.ans.net!  
xlink.net!fauern!lrz-muenchen.de!news@ames.arpa  
Subject: cancer from ham radio  
To: info-hams@ucsd.edu

In article <taaronCJK1MF.3xr@netcom.com> taaron@netcom.com (taaron@netcom.com)  
writes:

>  
> Tell me, if ham radio causes cancer, why is it that all the ham radio  
> club meetings are filled with old people with few health problems other  
> than normal ones for their age?  
>

Probably, that's because the ill hams stay at home or in hospital ;^)

Matthias

--

Matthias Rosenberger, Walter Schottky Institut, TU Muenchen  
email: me@next45.wsi.physik.tu-muenchen.de

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Date: Sat, 15 Jan 1994 04:09:41 GMT  
From: news.sprintlink.net!direct!news.direct.net!kg7bk@uunet.uu.net  
Subject: Dipole Antenna  
To: info-hams@ucsd.edu

Bruce Pea (pea@wri.com) wrote:

: My question is, can I use twinlead to feed this with and run

: it through a balanced antenna matcher and be able to work  
: 160m through 10m with half way decent performance?? Bruce

It would be better to make it "non-resonant" (about 210 ft) and avoid the sky-high impedance that a 160m half-wave dipole would present on even multiples of that frequency, i.e. 80m, 40m, 20m, 10m. Ladder-line is good, especially at the higher frequencies. Please note that the radiation pattern may not have much broadside power when the antenna is more than one-wavelength long and mounted more than one-quarter-wavelength high. An antenna analysis program like ELNEC will give you an \*estimate\* of the radiation pattern and impedences.

Dunno what "half way decent performance" really means. A lot of Hams swear by their 105' centerfed with ladder-line... how does 10dbi gain at a take-off-angle of 16 degrees sound on 10m? Not nearly as good as a 5 element Quad... but for \$30 it works.

73, Cecil, kg7bk@indirect.com

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Date: Fri, 14 Jan 1994 18:32:04 GMT  
From: netcomsv!netcom.com!greg@decwrl.dec.com  
Subject: DIPOLES FED BY LADDER LINE  
To: info-hams@ucsd.edu

In article <Pine.3.05.9401132151.A8820-a1000000@booz.bah.com> k1zat@bah.COM (J. D. Delancy) writes:

>  
>I know there are gonna be some out there that will poo-poo the  
>idea of electric fence wire for antennas (it wont last, it rusts,

As long as you don't pee-pee it :-)

Greg

-----  
Date: Fri, 14 Jan 1994 18:04:22  
From: swrinde!cs.utexas.edu!howland.reston.ans.net!pipex!sunic!ugle.unit.no!  
pcg21.kjemi.unit.no!espen@network.ucsd.edu  
Subject: LA's now QRV on WARC SSB  
To: info-hams@ucsd.edu  
  
-----

Date: Fri, 14 Jan 1994 17:51:15  
From: swrinde!cs.utexas.edu!howland.reston.ans.net!pipex!sunic!ugle.unit.no!  
pcg21.kjemi.unit.no!espen@network.ucsd.edu  
Subject: Log Periodics and DXing  
To: info-hams@ucsd.edu

In article <1994Jan10.172952.17636@worldbank.org> dearnshaw@worldbank.org (Darrell Earnshaw) writes:

>I'm curious. Does anyone have any experience with HF (20 meters and above) Log  
>Periodic antennas? I'd be particularly interested in learning how they compare  
>with the TH-7DX/KT34XA class of antenna.

>(I'm moving house, and considering a LP to replace my venerable TH-7. I've been  
>kicking around the idea of a L.P, to get WARC band coverage. However, if the  
>performance is such that my TH-7, or a TH-11, will outperform them for DXing  
>and contesting, then I may reconsider.)

We are using a 8 m, 12 element home-brew Log. periodic at LA1K. It's quite  
old (10-15 yrs) and are becoming a bit - well, \*used\* if you know what I mean.  
It covers 10 through 20m. Gain ca 9dB - not so very impressive, but the F/B  
ratio is very good (cant remember actual number).

The TH7 and TH11 will outperform it by far, apart from the continous coverage.  
It's nice to have \*one\* antenna to work all the bands including WARC. The  
good F/B ratio is useful on the lower bands , as a recieve-ant. For our  
purposes (limited space), the Log is a nice compromise to work DX, and it  
really works.

Espen

LA6MGA/LA1K, DoD# 7962  
Disclaimer???? What disclaimer?

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Date: 14 Jan 1994 07:13:35 -0700  
From: agate!howland.reston.ans.net!math.ohio-state.edu!cs.utexas.edu!asuvax!  
pinyon.libre.com!not-for-mail@ames.arpa  
Subject: New QRZ Ham Radio CDRom  
To: info-hams@ucsd.edu

Announcing the new QRZ! Windows Ham Radio CDRom

Well, we've finally finished it and there are a bunch of new features.  
First off, in addition to the DOS search program, we now have a  
Microsoft Windows compatible search engine which adds tons of

new functionality. We now support searches by callsign, name, city, zip code, street address, and previous callsign. The Canadian callsigns are also integrated right into the main database.

The windows software allows printing on any Windows installed printer and provides for editing of search results files - using any editor you choose.

We've also added a new section containing prerecorded RTTY, AMTOR, ASCII, and Packet messages for TNC testing. These .WAV files are SoundBlaster compatible and come in all popular speeds and shifts.

We've also taken the mods database and placed it into hypertext format which means that you can browse it using only the mouse under windows. All of the popular text files from buffalo.edu are also hyper-ized.

In addition, we've included the last 10 months of the rec.radio.\* newsgroup articles, along with the usual large batch of shareware.

We have also committed to a quarterly updating schedule which will mean a new disc every 3 months with the latest FCC data.

As before, we're making a special offer to readers of the rec.radio newsgroups. To find out how to get your first edition copy of QRZ! Windows direct from the author, send an e-mail message to:

info@qrz.com

You'll receive an automatic reply with ordering info.

Also note that we're now on the internet with our own name (qrz.com), and will be available to answer questions as best we can.

If you wish to contact me directly, just e-mail to flloyd@qrz.com.

73,

-fred

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| Fred Lloyd, AA7BQ

flloyd@qrz.com

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Date: Fri, 14 Jan 1994 13:16:17 GMT

From: elroy.jpl.nasa.gov!swrinde!emory!wa4mei.ping.com!ke4zv!gary@ames.arpa

Subject: Repeater Interference  
To: info-hams@ucsd.edu

In article <1994Jan13.180054.7573@tijc02.uucp> eri316@tijc02.uucp (Ed  
Ingraham ) writes:

>Recently ran across a instance which I'll share:

>

>We've been suffering local repeater interference on a number of machines  
>with inputs from 146.10 thru 146.4. I hooked up my trusty Poor Man's  
>Spectrum Analyzer to my beam and found that sometimes when one of our  
>local machines UNkeyed, up would pop a blip on that frequency which then  
>drifted down the band. Sometimes a leisurely drift, sometimes an eye-popping  
>zip.

>

>Ideas? Repeaters, cavities, circulators, 500W pagers next door?

I've seen this one. We had a taxi dispatch repeater, that was putting  
out a sweep signal when it unkeyed. What was happening was the PA  
was oscillating when not being driven. You might check with the owner  
of the repeater that's unkeying when the problem shows up.

Gary

--

Gary Coffman KE4ZV		You make it,		gatech!wa4mei!ke4zv!gary
Destructive Testing Systems		we break it.		uunet!rsiatl!ke4zv!gary
534 Shannon Way		Guaranteed!		emory!kd4nc!ke4zv!gary
Lawrenceville, GA 30244				

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Date: Fri, 14 Jan 1994 17:58:41 +0000  
From: ucsnews!newshub.sdsu.edu!usc!howland.reston.ans.net!pipex!dis.demon.co.uk!  
tedb.demon.co.uk!ted@network.ucsd.edu  
Subject: rsgb gb2rs news 16th january  
To: info-hams@ucsd.edu

Good morning. It's Sunday the 16th of January and here is the GB2RS news  
broadcast, prepared by the Radio Society of Great Britain.

First the headlines:- Another RSGB member has received an honour; science  
teachers are to promote amateur radio in schools and Estonia has signed the  
CEPT 'instant reciprocal licence' agreement.

Congratulations to RSGB member Donald Alexander Michael, GM0KCY who received  
an MBE in the 1994 New Year Honours list in recognition of his work with the  
Lighthouse Service, the Northern Lighthouse Board which looks after the  
Lighthouses of Scotland and the Isle of Man. Donald is Principle Lightkeeper

at Cosewall Lighthouse, the last manned light on the Rhins Peninsula, but will be moving in March when Cosewell is converted to an automatic unmanned station. His next assignment will be on the Isle of Lewis, Outer Hebrides, IOTA reference number EU10.

At the recent Annual Meeting of the Association for Science Education at Birmingham University an organisation known as STELAR was formed. STELAR, Science and Technology through Educational Links with Amateur Radio, is a group of educationalists whose aim is to promote amateur radio as a means of supporting good practice in the teaching of science and technology. Further details will be published in the February edition of Radio Communication, or anyone interested can contact STELAR's Chairman Richard Horton, G3XWH, whose address is correct in the RSGB Call Book.

The Radiocommunications Agency has informed the Society that the government of the Republic of Estonia has signed the CEPT T/R 61-01 agreement. This means that a reciprocal licence is no longer required for UK amateurs to operate in Estonia and vice versa. The letters ES followed by a number from zero to 8 indicating the administrative district, will be used by visiting amateur.

Now some items of HF DX news from the weekly RSGB DX News Sheet which is edited by Brendan McCartney, G4DY0. From Montserrat, K8SJ will sign VP2MFA from now until Thursday the 27th of January. He will operate on all bands from 1.8 to 28MHz, CW. Full details of his operating schedule can be found in the RSGB DX News Sheet. From the Falkland Islands, the 'Peter First Team' will operate as VP8BZL from yesterday, Saturday the 15th until Sunday the 23rd of January, with emphasis on the WARC and LF Bands. From Croatia, K4XU will sign 9A/K4XU from now until March using CW. Check these two frequencies, 7.025 or 14.025MHz from 1800 - 0200 UTC daily. And from Reunion Island, JE8XRF will be active as FR/JE8XRF during Tuesday the 18th and Wednesday the 19th of January. Activity will be on the 10 - 80 metre bands, mainly on SSB with some CW operation.

We have no rally news for you this week and there is only one rally that we know for next Sunday the 23rd of January: The Oldham Amateur Radio Club Radio Rally which is to be held at the Queen Elizabeth Hall, Civic Centre, West Street, Oldham, Lancs. Doors open at 11.00am, or 10.30 for disabled visitors. The rally features many trade stands and a bring and buy stall. Refreshments will be available from 11.30am. Talk-in will be on channel S22 via GB40RC starting at 7.30am. Further details can be obtained from Kathy, G4ZEP on 061 652 8617 (evening) or 061 633 0550 (day).

HF contest news now:

RSGB LF Cumulative 7.0MHz Contests take place today Sunday the 16th and next Sunday the 23rd of January. They run from 1000 - 1200 UTC. RSGB LF Cumulative 3.5MHz Contests take place today and next Saturday the 22nd. Both are from 1600 - 1800 UTC. An RSGB LF Cumulative 1.8MHz Contest takes place next

Wednesday the 19th of January from 2000 - 2200UTC. December's RadCom, page 84, gives detailed information on all of these LF Cumulative Contests.

Next some VHF contest news:

The RSGB 144MHz CW Single Operator Fixed and All Others Contest takes place today, Sunday the 16th, from 1000 to 1600 UTC. There are three sections:- Fixed station single operator, Open and Listeners. The first RSGB 70MHz Cumulatives Contest takes place next Sunday the 23rd of January from 1000 - 1200 UTC. See December's RadCom for details for both the VHF events.

And now the solar factual data:

The period from the 27th of December to the 9th of January has seen a considerable number of M flares, on an almost daily basis from the 27th of December through to the 5th of January. The biggest flares were an M6.5/SN on the 2nd of January and an M6.0/SN on the 3rd of January. Sunspot indices have increased considerably and meaned at 125 for the period, though the 4th of January was up to 170. Solar flux levels have also increased considerably and averaged 132 units, with the 1st of January being up to 148 units, the highest daily level since February 1993. There have been a number of SIDs, sudden ionospheric disturbances, but most did not last long. The geomagnetic Ap indices have been mainly quiet, except for the period from the 31st of December to the 3rd of January which was disturbed due to the flare activity. The period averaged an Ap index of 10 units, with the very quiet periods being around 3 to 5 units. The state has been 'nil', except for the stratwarm which is continuing and now covers Southern Europe as well. The radio quality indices rose to very high levels and were up to 'excellent' by the 31st of December. The aa indices for the 28th of December to the 3rd of January were very quiet up to the 30th, then became just unsettled with the daily indices averaging 23.2 nanoTeslas about K3. The X-Ray flux has risen to the highest weekly levels since February 1993. The 31st of December was up to B8.9 units, the highest daily level since the 1st of March 1993. The period averaged B4.3 units. The monthly mean sunspot index for December was RI 49.4, with the maximum being 99 on the 31st and the minimum being 8 on the 15th. The smoothed index for June 1993 was 55.9 plus or minus 5.

Now the ionospheric data for Central France:

The F2 daytime critical frequencies at Poitiers, as reported by Meudon, averaged 8.2MHz, but were up to 11.5MHz on the 31st, the highest level since January 93. The darkness hour lows averaged 3.2MHz and did not change much from day to day.

Now the ionospheric data for the north:

The F2 daytime critical frequencies at Ekaterinberg averaged 7.4MHz, but the 5th was up to 8.9MHz, a very high level for this observatory. The darkness



hour lows averaged 2.4MHz, though levels ranged day to day from 1.8MHz up to 3.5MHz. Though we have not been informed officially, we understand that the Darmstadt ionospheric observatory closed down on the 31st of December; it means that the radio quality indices will no longer be available. This is just one more indication of the declining commercial interest in the ionosphere.

And lastly the solar forecast:

This week, the quiet side of the sun will be rotating away. The big increase in solar activity is unlikely to be evident this week as it is confined more to the active side. Solar flux levels are expected to be around the 100. The geomagnetic activity is expected to be mainly quiet or just unsettled. The radio quality levels, based on past performance, are expected to be normal or just above.

And that's the end of the solar information.

Finally in the main news, SSL has informed the Society that as of last Wednesday morning, the latest callsigns issued were in the G0 U I and G7 R N series, and Novice calls in the 2 0 A H and 2 1 C M series.

You're listening to GB2RS, the news broadcasting service of the Radio Society of Great Britain, transmitting in the 80, 40, 6 and 2 metre bands.

Next, the local news.

## NEWS FOR THE SOUTH EAST

Meetings for Tuesday the 18th of January:

Acton, Brentford and Chiswick Radio Club meets for its Annual General Meeting. Further information from G0JRY, tel: 081 749 9972

Bromley and District Amateur Radio Society meets for its Annual General Meeting. For details telephone 081 777 0420.

Dacorum Amateur Radio and Transmitting Society has a Demonstration of Packet Radio with questions and answers by Ken, G3MSW keeper of GB7MSW. For more information contact Nick on 0582 766973.

Maidenhead and District Amateur Radio Club has a talk and demonstration of 'Slow Scan TV' by Dave, G4XDU and Colin, G0TID. For details contact Neil,

G0SVN, tel: 0628 25952.

Stevenage and District Amateur Radio Society has a talk on 'Microphones - Mobile and Base' by Simon, G0EVZ. Further details from Neil, 2E1ASZ on 0438 350882.

Meetings for Wednesday the 19th of January:

Aylesbury Vale Radio Society meets for its Annual Dinner. Contact Martyn, G4XZJ, on 0296 81097 for further details.

Brighton and District Amateur Radio Society has a talk by Paul, G7FJC on this year's winning entry in the construction contest, entitled 'A Rx Audio Processor Unit'. Details from Harold, G3WR, tel: 0273 501100.

Dover Radio Club has an Operating evening. For further details telephone 0304 825030.

Hastings Electronics and Radio Club has a talk 'Communications and the Fire Service' by Dick, G4KAR. Further details from Stan, G4ITM on 0424 430579.

Meetings for Thursday the 20th of January:

Hoddesdon Radio Club has a talk entitled 'Have Fun with QRP' by Wayne, G0JJQ. Visitors are most welcome. Further details from Roy, G4UNL, tel: 081 804 5643 or John, G70CI on 0920 466639.

Shefford and District Amateur Radio Society has a Members' activity night. For further details contact Paul, G1GSN on 0462 700618.

Sutton and Cheam Radio Society has a talk entitled 'Antenna Modelling' by Derek, G3GR0. For details contact John, G0BWV, tel: 081 644 9945.

Vange Amateur Radio Society has a film entitled 'The Catch Nobody Wants' by Roy, G3ASH. For further details contact Doris on 0268 552606.

Meetings for Friday the 21st of January:

Loughton and District Amateur Radio Society has a talk on 'WW2 Lancaster Bomber (part 2)' by Tom, G4PSY. Contact John, G8DZH on 081 508 3434 for further details.

Medway Amateur Receiving and Transmitting Society has a talk on 'Icom Amateur Radio'. Further information from Gloria, G70VI on 0634 710023.

West Kent Amateur Radio Society has a talk on 'DIY Power Supplies' by G4FWG. Further details from G3OHV, tel: 0892 664960.

Winchester Amateur Radio Club meets for its Annual General Meeting. For further details contact John, G4AX0, tel: 0962 860807.

#### NEWS FOR SOUTH WEST

Meeting for Monday the 17th of January:

Appledore and District Amateur Radio Club has a talk entitled "EMC" by Les, G5HD. Details from G4ETJ, tel: 0237 477301.

Meetings for Wednesday the 19th of January:

Exeter Amateur Radio Society has a talk on 'Propagation' by Stan, G3IEW. For further details telephone 0395 279574.

Trowbridge and District Amateur Radio Club meets for its Annual General Meeting. Contact Ian, G0GRI on 0225 864698 for further information.

South Bristol Amateur Radio Club has a 'Show off your QSL Cards' evening. For more information tel: 0275 834282.

Meeting for Thursday the 20th of November:

Yeovil Amateur Radio Club has a talk on 'A 40m Converter for the Yeovil Rig' by G3PCJ. For further information contact Cedric, G4JBL on 0258 473845.

Meetings for Friday the 21st of January:

Shirehampton Amateur Radio Club has a Packet Radio session by G4NAQ and G4FR0. For further information contact Ron, G4GTD on 0272 770504.

Torbay Amateur Radio Society has a Construction night. For further details contact Walt, G3HTX on 0803 526762.

#### NEWS FOR EAST ANGLIA

Meetings for Wednesday the 19th of January:

Ipswich Radio Club has a talk entitled 'Modifications for the MX294 sets and Rig Test' by John, G4BAV at 7.30pm. Details from Sheila, G8HYE, tel: 0473 742072.

Norfolk Amateur Radio Club has a talk on 'Operating Packet' by Roger, G3LDI and Paul, G4VLS. Contact Sheila, G0KWP on 0603 618810 for further information.

Meeting for Friday the 21st of January:

Cambridge and District Amateur Radio Club has an Operating and Morse Practice evening. For further information contact John, G0TIL on 0763 243570.

#### NEWS FOR THE MIDLANDS

Meetings for today Sunday the 16th of January:

Charnwood Amateur Radio Contest Club meets to discuss "The Year to Come" programme. For further details telephone 0509 232927.

West Bromwich Central Radio Club has talk on 'Raynet' by Bill Mahoney. Further information from Ian, G0PAI, tel: 021 561 2884.

Meetings for Monday the 17th of January:

Stourbridge and District Amateur Radio Society has a talk entitled 'University of Wolverhampton Learning Development Unit' by Mark, G7EDZ. Contact James, G7HEZ on 0384 374354 for more details.

Stratford upon Avon and District Radio Society meets for its New Year Social, the same arrangement as last years. Please note this is a change of date. Also there is a new secretary, G0CHO. For further details contact G0CHO who is QTHR.

Meetings for Tuesday the 18th of January:

Grantham Radio Club has a talk on 'Relief Missions in Africa' by Pat, G7KFW. For further details contact John, G8WWJ on 0476 65743.

Loughborough and District Amateur Radio Club has a Construction evening. For further details contact G8SNF by telephoning 0509 218259.

Meetings for Wednesday 19th of January:

Derby and District Amateur Radio Society has a talk on 'How a Packet BBS Works'. Contact Hayley, G7PXA on 0773 856904 for further information.

Telford and District Amateur Radio Society has a talk on 'VHF/UHF Contesting' by G4UJS. For further details contact Dave, G4EIX, on 0952 588878.

Meetings for Thursday the 20th of January:

Amateur Radio Club of Nottingham has a talk entitled 'Waterproofing and Terminating Coaxial Cables'. Contact Simon, G0IEG on 0602 501733 for further details.

Salop Amateur Radio Society has a discussion evening. For further details contact G0SST on 0743 361935.

Solihull Amateur Radio Society meets for a discussion on 'Transverters' led by Tony, G3NXC. Contact Paul, G8AYY on 021 783 2996 for more details.

Meeting for Friday the 21st of January:

South Notts Amateur Radio Club has a demonstration of Amateur Fast Scan TV. For further details contact Julie, G0SOU on 0602 216342.

#### NEWS FOR THE NORTH OF ENGLAND

Meetings for Monday the 17th of January:

Sheffield Amateur Radio Club has a talk on 'How to operate the Club's HF Rig'. For further details contact David, G0JJR Tel: 0742 446282.

Thornton Cleveleys Amateur Radio Society is showing a video entitled 'ATV in the USA'. Further details from G4BFH who is QTHR.

Meetings for Tuesday the 18th of January:

Halifax and District Amateur Radio Society has a talk entitled 'Home Built Test Equipment' by John, G3BBB. Contact David, G0DLM on 0422 202306 for

further details.

Liverpool and District Amateur Radio Society has a talk on 'Experiences of a Wartime Sparks' by G3AVJ. Further details from Ian, G4WWX who is QTHR.

Wakefield and District Radio Society meets for a talk on 'Antennas' by David, G0DJA. Further details from Roy, G0TBY on 0924 893321.

Meetings for Wednesday the 19th of January:

Denby Dale and District Amateur Radio Society has a talk on 'The Novice Licence' by Paul, G0LVV. Details from Ivan, G0SBR on 0484 429238.

Wirral Amateur Radio Society has an 'Antennas by Computer' update by Dr B Austin. Further details from G3F00, tel: 051 644 6094.

Meetings for Thursday the 20th of January:

North Wakefield Radio Club has a talk on 'The White Rose Receiver' by John, G3TDZ. For further information contact John, G4RCG on 0924 362144.

Preston Amateur Radio Society meets for its Annual General Meeting. Details from Eric, G1WCQ on 0772 686708.

Meetings for Friday the 21st of January:

South Manchester Radio Club has a talk entitled 'The Club BBS System Explained' by G8APB. For further details contact Edward, G7FQY, tel: 061 969 1964.

Stockport Radio Society Computer Group has a talk on 'How to Up-Grade your PC' by G0HJQ. For further details telephone 061 439 4952.

NEWS FOR SCOTLAND

Meeting for Tuesday the 18th of January:

Dundee Amateur Radio Club has a 'Members' Mini Lectures' evening. Details from GM4FSB who is QTHR.

## NEWS FOR WALES

Meeting for Monday the 17th of January:

Dragon Amateur Radio Club has a talk on 'Underwater exploration in the Menai Straits' by Cecil Jones. For further details contact Tony, GW0FMQ on 0248 600963.

Meetings for Thursday the 20th of January:

Powys Amateur Radio Club meets for its Annual General Meeting at the British Legion Broad Street, Newtown at 8pm. Further details from Gordon, GW0RJV on 0686 640611.

Swansea Amateur Radio Society has a Visit to the new Post Office Automatic Mail Sorting Office in Swansea, at 7pm. For further details contact Graham, GW3SIY, on 0792 403527.

## NEWS FOR NORTHERN IRELAND

Meeting for Wednesday the 19th of January:

Belfast RSGB Group has a talk entitled 'QRP - A Personal View' by Roy, GI4CBG. For further information contact Richard, GI00UM who address is QTHR.

And that's the end of this week's GB2RS news broadcast, which was prepared by the Radio Society of Great Britain.

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Date: (null)

From: (null)

See - it works when a ham gets to the top of the spectrum-adm.!!

Espen

LA6MGA/LA1K, DoD# 7962

Disclaimer???? What disclaimer?

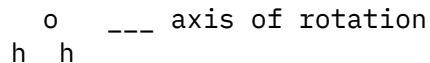
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Date: Thu, 13 Jan 1994 21:15:44 GMT  
From: agate!howland.reston.ans.net!math.ohio-state.edu!cyber2.cyberstore.ca!  
nwnexus!jhgrud!eskimo!mzenier@ames.arpa  
To: info-hams@ucsd.edu

References <CJFF8p.56v@spk.hp.com>, <1994Jan11.150658.25191@ke4zv.atl.ga.us>,  
<2guq4i\$m3t@news.acns.nwu.edu>exus  
Subject : Re: BRAIN CANCER, LEUKEMIA FROM HAM RADIO

In <2guq4i\$m3t@news.acns.nwu.edu>, Rajiv Dewan wrote:  
: And I thought that this frequency was picked because it was close to  
: a resonant frequency of the O-H bond present in water, sugars and fats -  
: common though often undesired components of what we eat.

Water is a polar molecule because of its shape and applying a  
electric field causes the entire molecule to attempt to align  
to the field.



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End of Info-Hams Digest V94 #43  
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